

Appl. No. 10/065,274
Response Dated 09-01-04

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

[C1] (original) An ultrasonic dental scaler comprising:

a dental generator unit comprising circuitry for producing a base resonance signal;

a handpiece connector for coupling a handpiece to the dental generator unit; and

a passive circuit element, which adjusts the base frequency of the resonance signal to a second frequency, matching a resonant frequency of the handpiece.

[C2] (original) The ultrasonic dental scaler of claim 1, further comprising:

a first potentiometer in the dental generator unit for adjusting the power level of the resonance signal.

[C3] (original) The ultrasonic dental scaler of claim 2, further comprising:

a footswitch connector for coupling a power level controlling footswitch to the dental generator unit, wherein the footswitch connector disables the first potentiometer and couples a second potentiometer in the footswitch to the dental generator unit.

[C4] (original) The ultrasonic dental scaler of claim 2, further comprising:

Appl. No. 10/065,274
Response Dated 09-01-04

a footswitch connector for coupling a simple footswitch to the dental generator unit, wherein the simple footswitch connector enables the first potentiometer.

[C5] (original) The ultrasonic dental scaler of claim 1, wherein the passive circuit element is a capacitor.

[C6] (original) The ultrasonic dental scaler of claim 5, wherein the capacitor is in the handpiece connector.

[C7] (original) The ultrasonic dental scaler of claim 5, wherein the capacitor is in the dental generator unit.

[C8] (original) The ultrasonic dental scaler of claim 4, further comprising:
a programmable logic control device for adjusting the frequency of
the base resonance signal.

[C9] (original) An ultrasonic dental scaler comprising: